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**From:** Anita Singh [asingh428@gmail.com]  
**Sent:** 3/15/2017 6:45:39 PM  
**To:** LEE, LILY [LEE.LILY@EPA.GOV]; Barnett, Felicia [Barnett.Felicia@epa.gov]; Anita Singh [asingh428@gmail.com]  
**Subject:** Re: Hunters Pt Rad EPA internal technical wkly  
**Attachments:** Recommended Statistical Methods- Hunters Pt Site.docx

Hello Lilly,

Attached please find a document describing recommended methods which should be used to identify patterns of anomalous/suspicious activities in the various parcels of the Hunters Point Site.

For illustration purposes, I have included a couple of examples using North Pier Site data for Survey Units 1 and 7.

I will send you Appendix A later today as mentioned in the attached.

Please let me know if you have questions/suggestions etc.

Best,  
Anita

On Mon, Mar 13, 2017 at 4:40 PM, LEE, LILY <LEE.LILY@epa.gov> wrote:

Dear Anita,

Thanks for checking in. I know you are so busy, so there was no need for you to spend the time for this morning's call. A few updates:

- It would be great for us to get your tentative recommendations, e.g.

EPA recommends that the Navy consider using additional statistical methods such as multivariate analysis and pattern recognition to improve the likelihood of finding signs of falsification. We will test these approaches on the North Pier data asset and refine recommendations after that.

- Pat will ask Scott for a good date/time to have a meeting this week with you and Lyndsey. Pat might come too.
- Pat thought Scott already gave you most of the Parcel G data. That was the intention. He'll ask Scott to work with you to make sure you get it all.

- Some more anomalies have been found in Parcel G data in multiple Radionuclides of Concern (RoC's), but not in Ra-226 yet. Noone can figure out an explanation.
- Navy also recognizes the limits of data quality due to onsite lab methods will complicate the attempt to find falsification.

**From:** Anita Singh [mailto:[asingh428@gmail.com](mailto:asingh428@gmail.com)]

**Sent:** Monday, March 13, 2017 11:29 AM

**To:** LEE, LILY <[LEE.LILY@EPA.GOV](mailto:LEE.LILY@EPA.GOV)>

**Cc:** Nguyen, Lyndsey <[Nguyen.Lyndsey@epa.gov](mailto:Nguyen.Lyndsey@epa.gov)>; Kappelman, David <[Kappelman.David@epa.gov](mailto:Kappelman.David@epa.gov)>; Karla Brasaemle ([kbrasaemle@techlawinc.com](mailto:kbrasaemle@techlawinc.com)) <[kbrasaemle@techlawinc.com](mailto:kbrasaemle@techlawinc.com)>; [jdawson@techlawinc.com](mailto:jdawson@techlawinc.com); [juanita.bacey@dtsc.ca.gov](mailto:juanita.bacey@dtsc.ca.gov); Jue, Tracy (CDPH-EMB) <[Tracy.Jue@cdph.ca.gov](mailto:Tracy.Jue@cdph.ca.gov)>; Singh, Sheetal (CDPH-EMB) <[Sheetal.Singh@cdph.ca.gov](mailto:Sheetal.Singh@cdph.ca.gov)>; Anita Singh <[asingh428@gmail.com](mailto:asingh428@gmail.com)>

**Subject:** Re: Hunters Pt Rad EPA internal technical wkly

Sorry - I missed today's call.

Did not know if there was going to be one.

Any update - I should know about?

Thanks.

Anita

On Mon, Mar 13, 2017 at 9:23 AM, LEE, LILY <[LEE.LILY@epa.gov](mailto:LEE.LILY@epa.gov)> wrote:

Suggested agenda items:

- Reportback from Pat – Lily
- Statistical analysis – update from Karla re spreadsheet, recommendations from Anita
- History – Tracy
- BPRG calculator inputs – Lyndsey, Sheetal, Tracy
- Data Mgmt – Dave
- What else?

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**Ex. 6 Personal Privacy (PP)**

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Anita Singh

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Anita Singh